

# Information Technology Industry

## **REAL TIME LABOR MARKET SUMMARY**

February 2019

#### Information Technology Industry Labor Analysis Across the State During the Last 6 Months

A sampling of the IT industry for the 6-month period showed over 3,500 job postings for top demand jobs. The top occupation was Software Developers, Applications, making up 15.6% of total job postings.

Top Job Postings  **Of Online Job SOC Code**  **Occupations**  **New Occupations**  **3-4051**  **Customer Service Representatives**  **43-9051**  **Mail Clerks and Mail Machine Operators**  **43-4071**  **File Clerks**  **43-5081**  **Stock Clerks**  **3-5081**  **Stock Clerks**  **3-7062**  **Laborers and Freight, Stock, and Material Movers**  **53-7062**  **Laborers and Information Clerks**  **53-3033**  **Light Truck or Delivery Services Drivers**  **0.2%**  **33-9032**  **Security Guards**  **1-9099**  **Sales Representatives, Wholesale & Manufacturing**  **15-1151**  **Computer User Support Specialists**  **1-4012**  **Sales Representatives, Wholesale & Manufacturing**  **5-1151**  **Computer User Support Specialists**  **1-4012**  **Sales Representatives, Wholesale & Manufacturing**  **5-1151**  **Computer User Support Specialists**  **1-4012**  **Sales Representatives, Wholesale & Manufacturing**  **5-1151**  **Computer User Support Specialists**  **1-4012**  **Sales Representatives, Wholesale & Manufacturing**  **5-1151**  **Computer User Support Specialists**  **1-114**  **43-3031**  **Bookkeeping, Accounting, and Auditing Clerks**  **0.9%**  **43-1011**  **Supervisors of Office & Admin. Support Workers*  **0.9%**  **43-1011**  **Supervisors of Office & Admin. Support Workers*  **0.9%**  **43-1011**  **Supervisors of Office & Admin. Support Workers*  **0.9%**  **43-3021**  **Billing, Cost, and Rate Clerks**  **0.7%**  **49-9071**  **Maintenance and Repair Workers, General**  **6**  **1-1152**  **Computer Network Support Specialists*  **1-1152**  **Computer Network Support Specialists*  **1-1152**  **Computer Systems Engineers/Architects**  **1-1121**  **Computer Systems Analysts**  **1-1199**  **Management Analysts**  **15-1199**  **Computer Systems Analysts**  **15-1199**  **Information Technology Project Managers*  **1999**  **Managers, All Other**  **1999**  **Managers, All Other**  **1999**  **1999**  **Managers, All Other**  **1999**  **1999**  **Managers, All Other*  **1999**  **1999**  **1999**			
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15-1199 Software Quality Assurance Engineers & Testers 2.5% 15-1142 Network and Computer Systems Administrators 2.3%			0.0
15-1142 Network and Computer Systems Administrators 2.3%			
15-1141 Database Administrators 2.2%			
	15-1141	Database Administrators	2.2%

Occupations are divided into Now, Next and Later categories based on the typical training and education required. Now occupations typically require short-term on-the-job training, little to no experience, and/or a high school diploma. Next occupations typically require a non-degree certificate, associate's degree, apprenticeship, some experience, or moderate- to long-term training. Later occupations require a bachelor's degree or higher.

Nearly three-fourths (73%) of jobs posted for this industry and time period fell into the Later category, indicating this is an industry that demands technical and skilled labor.

The top five employers for the 6-month period of Aug. 1, 2018 - Jan. 31, 2019, making up nearly one-third (31%) of total job postings, were:

- Cerner Corporation
- Fiserv
- Infosys
- Jack Henry & Associates
- Navisite Incorporated

### **Information Technology Skills and Certifications**

Top 10 Basic Skills		
Description	Rank	
Communication Skills	1	
Teamwork / Collaboration	2	
Problem Solving	3	
Troubleshooting	4	
Planning	5	
Microsoft Excel	6	
Research	7	
Writing	8	
Organizational Skills	9	
Microsoft Office	10	

Top 10 Specialized Skills		
Description	Rank	
Customer Service	1	
Project Management	2	
SQL	3	
Software Development	4	
Java	5	
Occupational Health and Safety	/ 6	
Customer Contact	7	
Sales	8	
Oracle	9	
Scheduling	10	

Basic skills are the most numerous, found in the majority of job advertisements. Several soft skills such as communication, teamwork, and problem solving ranked in the top 10 requested basic skills. Communication skills were found in over two-fifths (41%) of total job postings for the time period. Customer service was the top specialized skill, followed by project management and SQL.

Top 10 Software Skills	
Description	Rank
SQL	1
Software Development	2
Microsoft Excel	3
Java	4
Microsoft Office	5
Oracle	6
Linux	7
Microsoft Powerpoint	8
JavaScript	9
Software Engineering	10

Top 10 Certificates	
Description	Rank
IT Infrastructure Library (ITIL) Certification	1
Certified Public Accountant (CPA)	2
Project Management Certification	3
Security Clearance	4
Driver's License	5
Project Management Professional (PMP)	6
Certified Information Systems Security Professional (CISSP)	7
Certified A+ Technician	8
CompTIA Security+	9
CompTIA Network+	10

The top requested software and programming skill was SQL, followed by software development and Microsoft Excel. The top requested certificate was IT Infrastructure Library, followed by Certified Public Accountant and Project Management Certification.

#### Notes

Data for this analysis has been extracted using Burning Glass Technologies Labor/Insight<sup>tm</sup> tool which collects information from over 35,000 web sources, including job boards, newspapers, and employer websites. While this analysis presents a broad picture of hiring activity and serves as a measure of labor demand, it does not capture openings that are filled through other networks.

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